

ABSTRACT

In order to provide an active muscle display unit that extracts a firing pattern of the individual motor unit without applying a load to living organisms and display the extracted motor unit, the active muscle display unit comprises multiple electrodes 1 that are arranged on a skin surface, a surface electromyogram measuring part 32 that measures a surface electromyogram on the skin surface at the multiple electrodes 1, a motor unit separating part 33 that estimates the individual motor unit constituting an active muscle based on the surface electromyogram measured by the surface electromyogram measuring part 32, a motor unit position estimating part 35 that estimates a three-dimensional position of the firing motor unit based on the motor unit estimated to be the firing motor unit by the motor unit separating part 33, and a display part 38 that displays the motor unit estimated by the motor unit position estimating part 35 in an image.